

# FOLIO

8 MARCH 1991



## Students rally to support U of A

No more cuts!

Gogo must go!

We love the U of A!

Those were the key messages delivered last Friday as well over 1,000 students took to the streets in a march to the Legislative Assembly to protest provincial government underfunding of postsecondary education.

Student leaders were clearly elated with the impressive show of support by students who turned out in -26 C weather to march from the University campus and across the High Level Bridge to listen to students and politicians decry the state of postsecondary education funding on the steps of the legislature.

Heartened by the turnout, students were in no mood to listen to Advanced Education Minister John Gogo, repeatedly drowning out his words with chants of "No more cuts!" and "Bullshit!"

The Minister insisted, however, that the University of Alberta has much to be proud of, accounting for almost one-quarter of the almost \$1 billion annual budget for postsecondary education. "I know it's not enough," he said, but Albertans remain in the forefront of postsecondary education funding.

Pam Barrett, Advanced Education critic for the New Democrats, and Barrie Chivers, the MLA for the constituency which includes the University, promised the crowd that the issue of postsecondary education funding would be a top priority of the official opposition when the House resumes sitting in a few days. Keep in mind that the federal government just cut another \$350 million from budgets to universities in Alberta, Barrett urged.

Liberal Nick Taylor said there's no question "you're looking at a government in the last stages of decay. If there's anything that's clear

Students marched across the High Level Bridge in mid-minus 20° weather, effectively shutting the bridge to traffic for over half an hour.

about the coming 21st century, it is that the future will belong to those who develop the natural resources between their ears, not the resources beneath the ground."

Edmonton alderman Brian Mason said he was glad to see that students still knew the way to the steps of the legislature. "The University of Alberta is a vital element of the city economy and pumps over \$600 million into the provincial economy. It's a critical component in terms of us competing economically with the rest of the world," Mason said.

"And the people who graduate from this institution will play a vital role in overcoming some of the many social problems we have in our city and province," he said. "Those social problems are multiplying as the cuts are extended not only to universities and other postsecondary institutions, but also to hospitals, social services and municipalities."

Roxanne Beaubien, President of the Northern Alberta Institute of Technology, said the government is telling students the cuts are not affecting the quality of education. "Instructors cost money. How are we supposed to compete with industry if we don't have the money to pay top people?" she asked.

"Equipment costs money. Our capital budget at NAIT has been cut by 50 percent over the last three years. How are we supposed to buy equipment?"

At noon hour, before the march began, Non-Academic Staff Association members rallied in front of University Hall to protest staff layoffs.

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## Another day in court

### GSA DISAPPOINTED WITH BOARD'S DECISION

The Board of Governors decided last Friday to appeal the recent Court of Queen's Bench decision which ruled in favour of the Graduate Students' Association.

The GSA challenged the University's right to raise the continuous registration fee and minimum instruction fee beyond the 15 percent limit on instructional fees set by Advanced Education Minister John Gogo.

GSA Vice-President Ken Ross said the Board decision was short-sighted. "They're trying to capture a few more dollars from the graduate students; what they really need to do is make sure there's adequate funding from the provincial government.

"You know the pressure is there from the government. Gogo said that he would allow the courts to decide and wouldn't interfere, and at the same time he turned around and made it very clear to the University that he expected them to appeal this decision," said Ross.

Vice-President (Academic) Peter Meekison told General Faculties Council 25 February that he would be recommending to the Board of Governors that the University appeal the decision rendered by Court of Queen's Bench of Alberta Justice DW Perras.

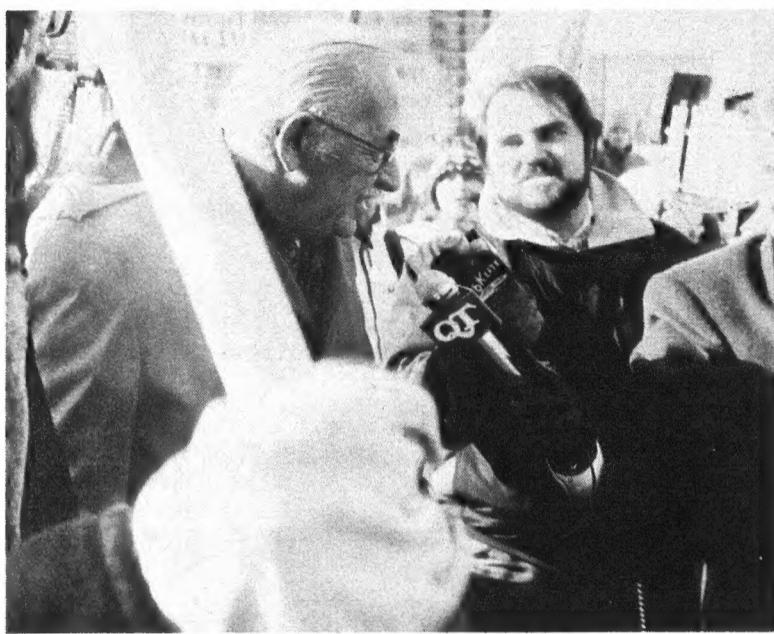
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## INSIDE

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- Save the Library Committee conducts survey
- Business community takes issue with University's proposed cutbacks
- Kaplan Award winner relies on nature

# MBA program to be offered in Fort McMurray

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Advanced Education Minister John Gogo met student leaders on the Legislative Assembly grounds, but the students who marched were in no mood to listen to him defend the provincial government record.

President Paul Davenport told them that the University finds itself in the unfortunate position of having to lay off staff. Later, in his monthly report to the Board of Governors, he said nonacademic positions will be frozen until 1 July,

and that departments needing positions filled must consult the recall list. He also said a modest fund has been established for nonacademic staff seeking counselling.

The President expressed gratitude for the nonacademic staff's ability to continue working hard even though resources are diminishing. "We [faculty] could not get our job done without them. I wouldn't want them to feel that they aren't highly valued members of our community."

Governor John Bertie (Chemistry), referring to the next strategic plan, said the University has to determine how many people [faculty and support staff] it needs in various areas and plan accordingly so the present situation isn't repeated.

The Faculty of Business will begin offering its MBA degree program in Fort McMurray this September.

Two courses will be offered per term for the fall and winter sessions and one or two additional courses will be offered in the Spring 1992 session.

Faculty of Business Associate Dean (Programs) Terry Daniel told *Folio* recently that there is a general feeling among faculty members that the program is a great opportunity and that the Faculty must be more responsive to the community. "We can't simply sit here and wait for people to come to us; we need to reach out to the community."

The joint Syncrude and University initiative will mean students in the northern city will be able to complete an MBA on a part-time basis in four or five years. The program will be administered in much the same way the existing part-time campus program is handled.

"This will be a test of our ability to deliver programs off campus," says Dr Daniel, and will also expose faculty members to new technologies for long-distance education. Negotiations are also under way to determine what role Keyano College may play in the offering of the program.

From Syncrude's point of view, Supervisor for Training and Development Peter Bourque says the maturity of the community and workforce stability will be enhanced as a result of having the MBA program in Fort McMurray. He emphasized that the program will be offered to qual-

fied people throughout the community and certainly not just to Syncrude employees.

Prospective students will have to write the graduate management admission test (GMAT). They'll have to meet admission standards as on-campus students must do and they will have to apply to the Faculty of Graduate Studies and Research in the normal manner.

Organizers are expecting there'll be between 20 and 40 students enrolled in the Fort McMurray program. Prospective students will likely include people who work for the city's major employers, such as Syncrude, Suncor, the school board and hospital.

The idea for the program in Fort McMurray originated within Syncrude. The company courted the Faculty about 10 years ago, but the

Dean Jean-Louis Malouin was receptive to exploring the idea.

"We felt that now that we had our MPM and PhD programs safely under our belts, we could look at the idea again," explains Dr Daniel. "It shouldn't hurt our existing programs or students. We're determined not to water down our MBA program and if that ever begins to happen, the [Fort McMurray] program would likely be the first thing to go."

The Faculty has come up with a tentative schedule of courses for the coming fall, winter and spring terms which includes prerequisite courses such as Organizational Analysis 512, Managerial Economics 502, Organizational Analysis 502, Accounting 512 and Management Science 502. And a number of the Faculty's nationally-recog-

**"WE CAN'T SIMPLY SIT HERE AND WAIT FOR PEOPLE TO COME TO US; WE NEED TO REACH OUT TO THE COMMUNITY."**

**TERRY DANIEL**

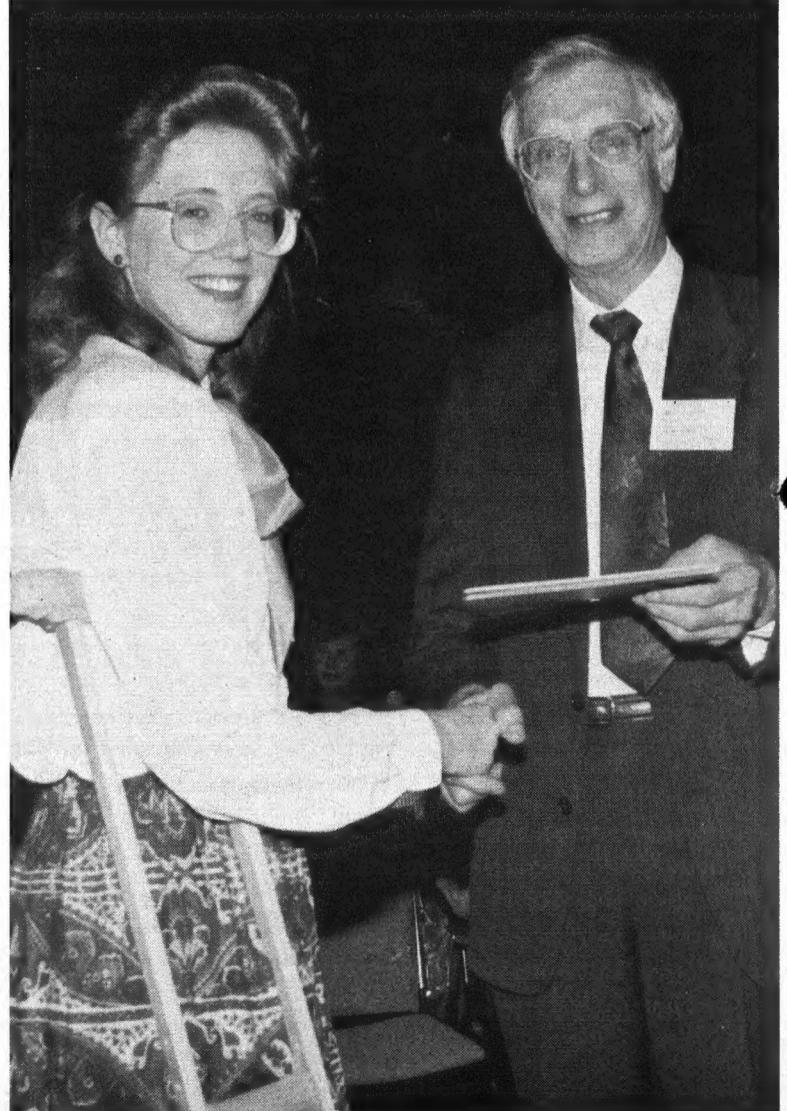
Faculty decided that it simply didn't have the resources to do the job effectively at the time.

Dr Daniel explains that at the time the Faculty was getting its MPM (Master of Public Management) and PhD program off the ground. The argument that the Faculty might overstretch its resources won out, Dr Daniel says. However, more recent overtures were to prove fruitful.

nized teachers will be teaching the first courses. They include Professors Greenwood, Hinings, Beck, Rasmussen and Newton.

Syncrude will pay the Faculty's overhead and transportation costs as well as instructors' wages. The intent, says Dr Daniel, is for the program not to cost the Faculty anything.

Photo Services



## Faculty of Engineering inaugurates awards night

Many things contribute to the success of a Faculty, including the awards sponsored by firms and individuals, and students' resolve to earn one or more of those awards.

The Faculty of Engineering has an array of such awards and a student body with initiative. The two came together 27 February as the Faculty held its inaugural Scholarship and Awards Ceremony at Myer Horowitz Theatre.

One hundred and eighty-four students crossed the stage to accept awards whose total value was \$665,750 excluding renewals.

Presenters included Scott Thorkelson, MP for Edmonton Strathcona, who congratulated 45 winners of Canada Scholarships; Ray Fortune, President of the Alberta Telecommunications Research Centre; Bernie Bradley, Senior Vice-President, AEC Pipelines; Joseph Thompson, Chief Operating Officer, PCL Constructors Inc;

Ernie Wiggins, AOSTRA board member; and a number of engineering professors.

The event, said Dean Fred Otto, allowed the Faculty to honour its outstanding students and to demonstrate its thanks for the support, generosity and vision of the donors of the scholarships and awards.

Host Loverne Plitt, Associate Dean of Student Services, did well with his pronunciation of some many splendid names but he tried the patience of his (large) audience when he said Stanley Blair, whose son Bob heads the Nova Corporation, was the "father of the Bossa Nova."

Ray Fortune presents an ATRC Graduate Scholarship to Yvonne Jacqueline den Otter, an MSc student in Electrical Engineering.



University  
of  
Alberta

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# Save the Library Committee continuing lobbying efforts

The Save the Library Committee has found that 80 percent of the academics who responded to a recent questionnaire believe that the University Library is deteriorating. A small majority of the 229 people surveyed considered the Library still adequate for graduate students in their respective fields.

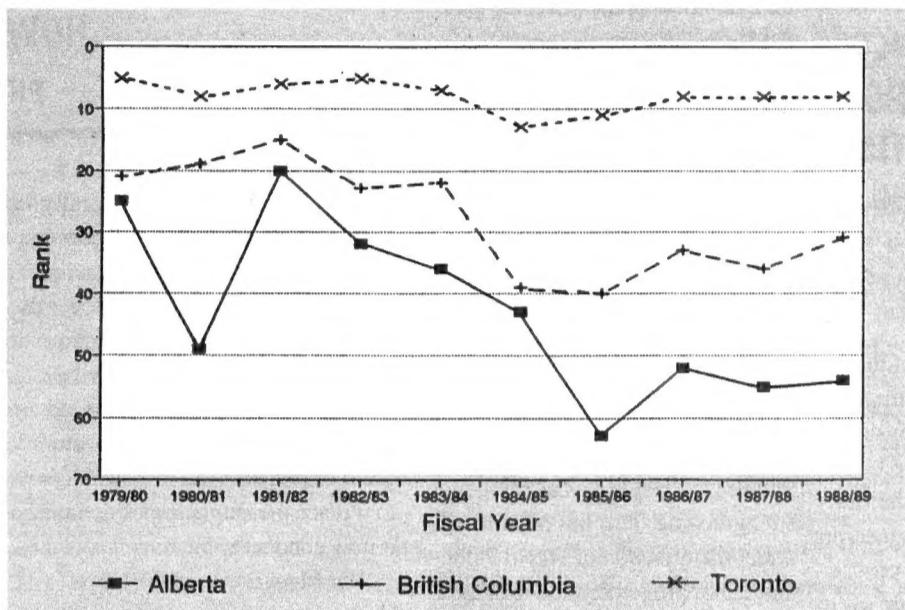
Active since last spring, the Save the Library Committee is an unofficial grass-roots group of faculty and librarians concerned about the state of the Library during financially stringent times.

Ingles also pointed out that although he is strongly in favour of the University indexing the Library budget, that alone would not solve the Library's problems.

For example, the Library is faced with space problems, it has lost approximately 20 percent of its staff over the last decade and its automated systems are almost ready to collapse, he explained. He said he was also uncomfortable with the word deterioration.

Library?" He added that inevitably the University will run the risk of losing faculty members to universities with stronger libraries.

He said he viewed his participation on the committee as a way of helping to maintain a strong library. The survey, he said, reminds the University community of the problems the Library faces. Concerning the issues of technological changes and interlibrary loan arrangements [both issues are raised in "Riding the Wave"], Dr Sysyn said that while



More than 80 percent of the respondents were in favour of indexing the materials budget of the Library as a way of fighting the erosive effects of inflation. Many respondents said the Library was hitherto good, but slipping.

Save the Library Committee member Alan Rutkowski said the purpose of distributing the questionnaire was to "test our own perceptions that the Library is in serious decline and that that decline is affecting the University as a research and teaching institute."

He said committee members want to keep the issues on the University agenda and that the committee can also help focus the discussion on the recent strategic plan, "Riding the Wave: University Library Draft Strategic Plan 1990-1995."

Many of the survey respondents said the solution to the Library's woes was more money. One said, "More money is certainly the remedy, and lots of it, not only to catch up, but to fill some of the gaps of recent years."

Chief Librarian Ernie Ingles said, "I don't see the survey as particularly negative, with regard to the Library. Yes, there've been changes, but I think we've done the best we can with what we've been given. In fact, I think the Library has been very creative in making the best of a very difficult situation."

The survey has two primary flaws, the Chief Librarian said. First, the questions were too general and, second, the survey was not specific enough to determine to what extent users believe there have been changes in the Library system.

"When you compare us with how the rest of the country is doing, we're doing very, very well. We're all groping with change and this is a situation we're all coming to grips with," he said, adding that the fiscal environment the University finds itself in will not go away in the immediate future.

In "Riding the Wave," Library officials say one of their key operational issues is to stabilize and then increase the funding base of the Library system.

In other developments, three members of the committee recently met with Advanced Education Minister John Gogo. They told the Minister that the Library is deteriorating so rapidly that it threatens to destroy the University of Alberta as a major research institution and impair its teaching function.

Gogo reiterated a long-standing view that the University would have to make do with the resources it receives.

The New Democratic Party's education critic, Pam Barrett, said the situation was really a matter of priorities. She doubted that Peter Pocklington had ever been told the cupboard was bare.

Frank Sysyn, a new member of the Save the Library Committee who recently arrived at the University to head up the Peter Jacyk Centre after 19 years at Harvard University, said even Harvard's library faces difficulties.

"The University of Alberta has made a major effort in turning its Library into a decent research library in many fields," Dr Sysyn said. "The question is how is the University going to maintain the

these may be good things, the question has to be asked what those initiatives will mean to the Library's ability to maintain its own collections.

Ingles acknowledged that there are users who are nervous about the sharing of library and information services as proposed in the draft strategic plan. "What we're saying is 'give us time to prove it to you,'" he said, adding that it's not an either/or situation. The Library will still be advocating that as much material continue to be collected on campus.

In its Report to the President's Advisory Committee on Campus Reviews of January 1991 of the Library, Unit Review Committee members said "Riding the Wave" is generally correct in its assessment of the educational and technological environment and that its strategy is sound.

"While the plan may appear to some to be a radical departure from the traditional mode of operating university libraries, the URC was impressed by the widespread support expressed for the plan by both users and staff of the Library," the URC reported.

"Indeed, in discussions with staff it became clear that certain elements of the plan have been evolving for some time. Several units of the Library system, such as the Health Sciences Library and the Law Library, have already established formal and informal cooperative resource sharing arrangements with other libraries."

## EXCELLENCE IN RESEARCH

The Office of the Vice-President (Research) invites members of the University and the wider community to attend the Awards Ceremony in honour of the 1991 Laureates of the J Gordin Kaplan Award for Excellence in Research.

Professor Lyndal Osborne (Art and Design) will speak on "Objects of Nature and Imagination"; Professor William Graham (Chemistry) will speak on "Peaceful Carbon-Hydrogen Bonds Ripped Apart by Disguised Metal Atoms!"

Wednesday, 13 March 1991  
at 8:00 pm  
Tory Lecture Theatre (TL-11)  
Reception will follow

## Court

Continued from page 1

The GSA challenged the increases levied by the University last year on the continuous registration fee and minimum instruction fee. Justice Perras ruled that both fees constituted fees for instruction and were therefore subject to a ministerial annual limit of 15 percent. The fees were raised by more than 375 percent.

The GSA submitted a written question to GFC: In light of the recent court decision, when will the students get their money back? Graduate student Steve Karp asked President Paul Davenport to confirm whether media accounts were substantially correct (these cited the President as saying there would likely be additional layoffs as a result of the recent court decision).

President Davenport said he was asked by the press what it would mean if the University had to refund the money. "Indeed, it would increase our deficit difficulties and would lead us to reduce expenditures, and I'm afraid I have to stand by that statement."

"Maybe that money shouldn't have been spent," said Karp, and should have been considered a contingent liability. GSA representatives estimate the University collected about \$860,000 from graduate students as a result of the fee increases.

The President said, "Notice what that would have meant. It would have meant cutting it out of this year's budget. We might have indeed cut that money out of this year's budget for the 1990-91 budget, and last March and April reduced our expenditures by a further \$800,000. You'll recall that in 1990-91 we removed something like \$5.5 million from our budget, which

led to the layoffs last spring. We could have added another \$800,000 to that.

"I have no trouble if members of GSA or others want to criticize the administration for not doing that a year ago," he said. "And because the Board was acting in good faith, we did not feel it was necessary. Had we done so, there would have been additional pain last spring."

GSA Vice-President Wolfgang Engler said time is of the essence. Logistically, it makes much more sense to get cheques to students when they're on campus, rather than after many have left the University, he said.

Justice Perras ruled that the additional fees collected for the academic year 1990-91 ought to be returned to students or credits toward future fees should be given to students who paid the additional fees.

Dr Meekison said T4 tax forms have already been issued and some students may have already filed their income tax forms.

President Davenport said he met with the Comptroller. "He explained that their ability to modify accounts of this sort now is entirely manual and will cost them a fortune to do it. They're studying ways of mechanizing the process."

On the issue of legal costs, Gerwin Marahrens (Germanic Languages) said the University needs better legal advice than it has received in the past. What did it cost the University in legal costs and how does the University pay for its legal costs? he asked.

Court costs are paid out of the operating budget, said the President, but he did not know how much it cost the University.

## BOARD, GFC TO HOLD JOINT MEETING

Members of the Board of Governors and General Faculties Council will hold a joint meeting 25 March to discuss some of the more pressing issues facing the University.

President Paul Davenport said at the 25 February GFC meeting that "I feel, and I know a number of you feel, that we do need this kind of interaction between the Board and GFC."

Association of the Academic Staff President Fred Van de Pitte said: "This is a very important gesture. Quite some time ago the academic staff asked for a meeting with the Board on an informal basis. There has been a lack of interest."

"Mr Milner [Board Chair] seems to have felt he had to get his feet on the ground in a totally independent fashion and not be influenced by any of the forces on campus," said Dr Van de Pitte. "In fact, what is happening is he will get his feet on the ground, but he will be uninformed in that process. I think it's long overdue ... and more of this has to happen."

The Board will meet with the GFC Executive Committee from noon until 2 o'clock when the meeting with the full GFC will be convened.



# Business community, Senate interact

## UNIVERSITY THE BENEFICIARY

The University of Alberta, trying to put its own house in order, has received both constructive criticism and a measure of advice from the downtown business community.

The University Senate, always trying to keep pace with the University's relationship with the public, met at the Citadel Theatre 28 February and heard from a number of professional organizations that by their nature know of restructuring and supply and demand.

**"THIS IS NOT A TIME TO REDUCE SCIENCE AND ENGINEERING TRAINING, BUT A TIME TO LOOK AHEAD"**

NORMAN ORR

Norman Orr, President of the Association of Professional Engineers, Geologists and Geophysicists of Alberta, said this about the University's proposals to close the Department of Agricultural Engineering and the Mining Engineering program: "We don't feel these are sacred cows that shouldn't be discontinued, but we ask you to review the rationale." He said 25 percent of Alberta's oil is produced via mining engineering methods. By the year 2000, the figure could be as high as 70 percent, Orr added.

He also offered one aside: "I'm not sure how many people would want to go to a lesser trained dentist."

**"THE ALBERTA DENTAL ASSOCIATION QUESTIONS THE WISDOM OF THE METHOD USED IN DETERMINING THE REDUCTION, NOT THE REDUCTION ITSELF."**

BRUNO MARTINELLO

Noting that there is a direct correlation between the number of engineers in Canada and the GNP and that the country must have a large body of highly trained engineers to be competitive internationally, Orr suggested that everyone has a responsibility to attract as many people as they can into science and engineering programs.

President Paul Davenport said that a lot of what is taught in these targeted areas can be taught in other University departments. "The U of A understands that it has to support the provincial economy and realizes that oil and agriculture are at the heart of that economy. We'll do nothing to undermine that."

Peter Meekison, Vice-President (Academic), said the University simply has to make these kinds of recommendations. He said letters from the community and elsewhere in support of targeted departments and programs are being received and will be forwarded to the University's various decisionmaking bodies as they consider the recommendations.

Bruno Martinello, Executive Director of the Alberta Dental Association, said the proposed lowering of the quota in the DDS program and cuts to the Department of Oral Biology's operating budget appear to fly in the face of one of the University's goals—service to the community. "The Alberta Dental Association does not have a problem with reducing enrollment and in fact is supportive of such a move at this point in time. However, when the reduced enrollment is made solely on the basis of cutting funds rather than on needs in the province that the University serves, then the Alberta Dental Association questions the wisdom of the method used in determining the reduction, not the reduction itself. Such an action is contrary to the University's goal of community service," Dr Martinello said.

Dr Meekison said the program's concept was exciting and wondered if there are other areas for exploration,

"It's like tossing a pebble into a pond, but it might be a catalyst to something very big in the country," Windwick said of the program.

Dr Meekison said the program's concept was exciting and wondered if there are other areas for exploration,

**THE FACULTY OF LAW SHOULD INCORPORATE A VIGOROUS PROGRAM OF PROFESSIONAL RESPONSIBILITY TO REPLACE THE SINGLE SEMESTER COURSE IT NOW CONDUCTS.**

PHYLLIS SMITH

She complimented the Faculty for involving a number of professors in the Society's outreach programs and for its recent movement towards more analytical and predictive research which she believes is vital.

The Faculty, Smith contended, should incorporate a vigorous program of professional responsibility to replace the single semester course it now conducts.

Dr Meekison said the law is changing all the time and "we need a critical mass to make the law school more than a trade school." He referred to University programs that combine law and business management and thus help open another door should opportunities in law be limited.

Fred Windwick of the Edmonton Chamber of Commerce said predicted shortages of trained people have precipitated a surge of business support for helping the education system solve its problems.

Engineering enrollment peaked in 1986 and has declined by more than six percent in the last four years, he told Senate. "In computer sciences, the outlook is even bleaker. Enrollment has dropped 36 percent in the last five years. Where will we get the people we need to remain competitive? The Canadian Engineering Manpower Board, for instance, has done some preliminary research that predicts a shortage of more than 30,000 engineers in this country by the turn of the century."

Those kinds of statistics have caused the Edmonton and Calgary Chambers of Commerce, university presidents, deans of engineering, science and education and the two school system superintendents to put their heads together to find a way of increasing the supply and broadening the education of teachers in the sciences and technology-related subjects at the junior high school level.

"We wanted a plan that would include the universities, public and separate school systems and the business community as partners in this endeavour," Windwick said.

Spring should see the unveiling of the plan, Windwick said.

## GFC briefs

### BUSES EXPECTED BACK ON 89 AVENUE

Acting Vice-President (Administration) Don Bellow told General Faculties Council 25 February that buses will likely not be back on 89 Avenue until late this year or early in 1992.

### ANIMAL CARE FACILITIES BEING UPGRADED

"The work [on upgrading animal care facilities on campus] is in the planning stage," said Dr Bellow. "Throughout this year and next year those facilities will be brought up to Canadian Council for Animal Care standards."

"Prior to getting special funding for this project, this University was put under full noncompliance for animal care facilities in all of Canada. We believe these renovations will go a long way in resolving the problems," he stated.

"We were being told by outside granting agencies that this University's funding of \$70 million from outside granting agencies was at risk, whether or not your research had anything to do with animals," Dr Bellow said.

President Paul Davenport said the noncompliance problem threatened the University's external funding. "But the second issue that I don't want us to lose sight of is the scientific problem. When you have inadequate ventilation, and a situation where you're not adequately protecting one diseased animal from another or one experiment from another, the validity of your experiments is in question," he said.

### KING'S COLLEGE ISSUE DOESN'T MAKE AGENDA

An attempt was made to amend the agenda to include the discussion of the recent controversy at King's College concerning the dismissal of an employee because of sexual orientation. Forty-nine were against the inclusion of the issue on the agenda and 14 were in favour.

Vice-President (Student and Academic Services) Lois Stanford said under the terms of the affiliation agreement between King's College and the University, neither party interferes in the internal affairs of the other, "so we don't comment on their policies and they don't comment on ours."

She pointed out that in the University's equity statement, now in its final development stage, sexual orientation is included as one of the protected grounds. It is not included in the province's Individual Rights Protection Act, she said.

"Although the equity statement has not yet been approved as policy, we have always behaved as if sexual orientation was one of the protected grounds," she said.

## Ergonomics: Is nothing new under the sun?

Ergonomics—the study of the efficiency of people in their working environments—should play an important role in predicting people's responses to future new technology, says one of the field's leading authorities.

David Osborne, a senior lecturer and Head of the Department of Psychology at the University College of Swansea in Wales, said 25 February that ergonomics, a discipline with an integrative approach arising from an amalgamation of psychology, physiology and engineering, should also be able to help society come to terms with current new technology.

Where should our umbrella research interests be taking us? Dr Osborne asked in his seminar sponsored by the Department of Occupational Therapy and the Office of the Vice-President (Research). "The first concept that needs to be explored is functionality. Design for functionality seems to me to be a prerequisite for design.

"It's no good producing a perfect product, if it doesn't do what the user wants it to do," he said.

"Design for functionality doesn't mean designing the job in exactly the same way as when it was performed before the new technology came along. Rather, it means determining the important functional components of the job and ensuring that these are designed properly."

Dr Osborne said the user's response to new technology has to be considered. "Systems which don't

function in the way that users wish or need are likely to lead to many problems, such as alienation, perceived lack of control, interference with established working practices and breakdown of organizational structure.

"The other side of the coin that ergonomists must consider is usability," he said. "A new technological system needs not only to perform the job expected of it in the way expected of it, it must also be able to be used in a functional way.

"We should view the concept of new technology at the level of the operator. It's he or she who is going to use the new technology after all.

"If we can demystify the current new technology and if we can realize that throughout the ages others have had to cope with different kinds of new technology, then maybe we can look at their responses, behaviours and attitudes to understand the impact which our new technology—which to many people still means computers—is likely to have."

Drawing on the example of the introduction of new technology in English coal mining during an earlier era, Dr Osborne said if we can learn from these experiences, then maybe society will be able to use technology more fully and in a more innovative way.

"We should be able to make good use of the old adage that there's nothing new under the sun, particularly as it applies to behaviour and responses to new technology."

## Check out the furniture in this (Harcourt) House

An exhibition of works by students in the Industrial Design Program at the University continues at the Harcourt House Gallery until 16 March.

The medium density fibreboard, quick assembly furniture has been designed and built by students in the Design Division of the Art and Design Department and is the result of one project from the introductory and advanced design courses in the 1990-91 academic year.

This is the third such exhibition of experimental furniture to be held at the Gallery. Many of the pieces are whimsical, but the students are also exploring future directions for practical furniture developments.

Blue Ridge Lumber (1981) Ltd., producers of medium density fibreboard, have provided the materials for the research. The refinement of some forms, fabrication methods and finishes, it's hoped, will lead to domestic or contract furniture applications.

## CURRENTS

### 'BIOETHICAL ISSUES OF THE '90S'

The second annual lecture series sponsored by St Joseph's College Catholic Bioethics Centre will be held 13 and 14 March at the Lister Hall Banquet Room. Guest speaker Reverend Richard McCormick will discuss "Bioethical Issues of the '90s" (13 March, 4 pm); "Advance Directives: Who? When? How? Why? (Living Wills/Powers of Attorney)" (13 March, 7:30 pm); and "Reproductive Technology: What are the Limits?" (14 March, 1:30 pm).

Reverend McCormick is John O'Brien Professor of Christian Ethics at the University of Notre Dame, Notre Dame, Indiana.

Admission is free.

### CAMPUS PRESBYTERIAN COMMUNITY

Anyone with Presbyterian roots or affiliations, past or present, who is interested in being part of this group is invited to attend a "get-acquainted" reception 14 March at 4 pm in 169 HUB International (across from the International Centre). Everyone welcome; refreshments will be served.

For further information, call Pauline Grant (492-7524), Bill Dryden (492-3617) or Tony Kernahan (492-5920).

### LIBRARY SYSTEM BOOKSALE

Location: Norma Freifield Reserve Reading Room (1-24 Cameron Library). Dates: 20 and 21 March. Time: 9 am to 4 pm.

### NONINSULIN-DEPENDENT DIABETICS NEEDED FOR STUDY

Type II, noninsulin-dependent diabetics are needed for a research project studying the effects of different types of dietary fat on blood cholesterol and blood glucose levels.

For more information, telephone Jacqueline Jumpsen (492-5629) or Elaine Kielo, research dietitian (492-3828).

## Nature pervades print artist's work

On 13 March, print artist Lyndal Osborne (Art and Design) will receive the 1991 J Gordin Kaplan Award for Excellence in Research. Her studio is her laboratory, her art, her constantly evolving research. "I usually start with an idea that grows from objects I've collected and a conceptual idea that goes along with it," she explains. "Ideas usually develop when you're working. They come out of the working process."

Two projects will receive money courtesy of the Emil Skarin Fund. "3, 2, 1 Write! An Edmonton Young Writers Conference" (there will be a full day of creative writing workshops for students from Edmonton and area, from grades 4 to 12) will receive \$1,000. "The University of Alberta in Italy: Archaeological Field-work 1982-90" has been awarded \$2,500. The main objective of this project, says Maurizio Gualtieri (Classics), is to provide the general public with an informative synthesis of recent archaeological research conducted by the Department of Classics in southern Italy.

Research is essential for effective teaching, she believes. "You can help students objectively analyze and critique their work in progress only if you are an active researcher in that field." The creative act is ongoing and must be something you're doing in some form or another, she insists. "It doesn't always mean producing an artwork. Sometimes it might be experimentation ... trying to find the right kinds of methodologies to take your work in a new direction." She explains that in creative fields such as music, drama and the visual arts, while research is not reported in traditional ways, to be considered outstanding it must be juried, rigorously evaluated work, accepted nationally and internationally. Exhibition in a public institution which brings the best

quality groundbreaking work for discussion and interaction with other artists is also important, she notes. For her prints, Professor Osborne does not reproduce an image conceived first in another medium, although she might do rough sketches in a notebook. "They're just to help set an idea in motion." She gathers stones, bones, reeds, grasses and moss, then bundles or binds them in new forms. "I choose them because of the unusual or slightly exotic nature ... things that have a certain form, volume, that are tactile, which convey patterns of water or wind, objects that are slightly decomposed." Where they come from and how she finds them play a role in the image as it develops, she adds.

Initially, she draws and paints directly onto a stone slab. Then the creative process generates ideas.

After printing a small edition of the

first drawing, she layers sections of the image with a different colour or includes new details. To complete the final printed image, the process takes about two months or longer, with Professor Osborne sometimes printing up to 12 layers. It's intense work, she acknowledges. "I can be so joyful and feel so terrific ... then feel like it's a struggle ... but unex-

pected results sometimes are the most interesting," she says. "I'm having a constant dialogue with the work."

Raised in rural Australia, Professor Osborne sees her work reflecting her early awareness of the way aborigines were attuned to nature and used objects in a functional way yet

more sacred or more symbolic or

maybe more ironic."

Professor Osborne is grateful for

University time release, funding

programs and the technical assistance of graduate students that have enabled her to develop the studio where she pursues research through her art.

She feels privileged to receive

the Kaplan Award, to be recognized

for something she loves doing.

"Printmaking is what I want to do most in my artistic life."

Lyndal Osborne in her studio near Ellerslie.

# EVENTS

## TALKS

### PHYSICS

- 8 March, 2 pm  
Richard E Taylor, 1990 Nobel Prize Winner, "Inelastic Electron Scattering." 126 Physics Building.  
11 March, 3:30 pm  
KY Szeto, York University, "Quasicrystals: Structure and Growth." 631 Avadh Bhatia Physics Laboratory.

### SLAVIC AND EAST EUROPEAN STUDIES

- 8 March, 3 pm  
Lidia Lykhach, journalist-ethnographer, Cherkasy, Ukraine, "Pavlo Chubynskyi: Matrialy ta Doslidzhennia do Etnosu Ukrainsiv." 141 Arts Building.  
14 March, 3:30 pm  
Brian Cherwick, "The Ukrainian Wedding: The Effect of Membership in Ukrainian Cultural Organizations on Retention of Ukrainian Wedding Traditions." 436 Arts Building.  
20 March, 3 pm  
Jim Robb, "Institutional Responses to Work Overload." 235 CAB.  
21 March, 12:30 pm  
Shirley Dean and Yvonne Peat, "Managing Your Travel Funds." 235 CAB.  
21 March, 4 pm  
Fred Vermeulen, "Making and Using Simple Computer Movies to Help Students Understand Difficult Concepts." 436 Civil-Electrical Engineering Building.

### GEOGRAPHY

- 8 March, 3 pm  
Bruce Rains, "Waimakariri River, New Zealand: Some Evidence of Moa-Hunter (Early Polynesian) Activities." 3-36 Tory Building.

### ZOOLOGY

- 8 March, 3:30 pm  
Perri Eason, "Why do Cardinals Cross the Lake? Territorial Defense in the Neotropics." M-149 Biological Sciences Centre.  
13 March, 3:30 pm  
Eville Gorham, University of Minnesota, Minneapolis, "The Role of Northern Peatlands in the Global Carbon Cycle, With Speculation on Their Responses to Greenhouse Warming." M-149 Biological Sciences Centre.  
15 March, 3:30 pm  
VM Zakharov and NK Koltzov, Institute of Developmental Biology, USSR Academy of Sciences, "Developmental Stability and Population Biology." M-149 Biological Sciences Centre.

### ENVIRONMENTAL CAMPUS ORGANIZATION

- 11 March, noon  
Halcyce Anderson, financial planner, Investors Group, "Ethical Investing." M-149 Biological Sciences Centre.

### HISTORY AND SLAVIC AND EAST EUROPEAN STUDIES

- 11 March, 2 pm  
AN Sakharov, "Current Stage of the Soviet Historical Science." 436 Arts Building.  
14 March, 11 am  
AN Sakharov, "Specific Features of Russian Medieval Social Upheavals." TBW-2 Tory Breezeway.  
15 March, 11 am  
Mikhail V Dmitriev, Department of South and West Slavic History, Moscow State University, "Russian Christianity on the Eve of October 1917 Revolution and its Fate in the First Years After 1917." 1-105 Tory Building.  
18 March, 7 pm  
Professor Dmitriev, "Christian Tradition in Russia: XIV-XIX Centuries. How Deeply Was Russia Christianized?" TBW-1 Tory Breezeway.  
20 March, 4 pm  
Professor Dmitriev, "Did the Reformation Touch East Slavs? Protestant Sects Among the East Slavs in the Late Middle Ages and Early Modern Times." 141 Arts Building.

### COMMITTEE FOR THE IMPROVEMENT OF TEACHING AND LEARNING

- 11 March, 3 pm  
Brad Hestbak, "Make Your Poster Session Work for You!" 235 CAB.

- 12 March, 3:30 pm  
Tom Pocklington, "Seminar on Seminars." 235 CAB.  
13 March, 3 pm  
Jim Shaw, "Educational Media Service: The Campus Role." TBW-2 Tory Breezeway.  
14 March, 3:30 pm  
David Nash, "Student Programs and Quality of the University Experience." TBW-2 Tory Breezeway.  
18 March, 3 pm  
Marion Vosahlo, "Students with Disabilities—What Instructional Modifications Might You Make?" TBW-2 Tory Breezeway.  
19 March, 12:30 pm  
Barbara Paulson, "Older, But Are They Wiser? Mature Students in Your Classroom." 235 CAB.  
20 March, 3 pm  
Jim Robb, "Institutional Responses to Work Overload." 235 CAB.  
21 March, 12:30 pm  
Shirley Dean and Yvonne Peat, "Managing Your Travel Funds." 235 CAB.

### RURAL ECONOMY

- A panel series entitled "The EEC: Emerging Canadian Implications." Panelists: LP Apedaile, LF Constantino, and ML Leroohl.

- 11 March, 3:15 pm  
"Emerging Trade and Pricing Issues in the EEC and Implications for Canada." 519 General Services Building.

- 18 March, 3:15 pm  
"Land Use Changes in the EEC and Implications for Canada." 519 General Services Building.

### CONTEMPORARY CULTURAL ISSUES

- 11 March, 4 pm  
Richard Dellamora, Department of English, Trent University, "The Political Unconscious of Postmodernism." L-3 Humanities Centre.

### RECREATION AND LEISURE STUDIES

- 11 March, 4 pm  
Roger Mannell, chair, Recreation and Leisure Studies, University of Waterloo, "The Benefits of Leisure: Myths and Realities." TBW-1 Tory Breezeway.

### GAYS AND LESBIANS ON CAMPUS

- 12 March, noon  
Forum on homosexuality and Christianity. 165 Education South.  
13 March, noon  
Public forum on human rights for lesbians and gays. TBW-2 Tory Breezeway.

- 14 March, noon  
Gays and lesbians in sport—a retrospective of the gay games—Celebration '90. 034 SUB.

### INTERNATIONAL CENTRE

- 12 March, 12:30 pm  
Linda Trimble, "Changing the Tune of the Brontosaurus Chorus." 127 HUB International.  
13 March, noon  
Yue Qing Yang, "Women's Position in Chinese Society." 172 HUB International.

- 19 March, 12:30 pm  
Cathy Barker, past member of the Women and Development Working Group of the Canadian Council for International Cooperation, "Feminist Approaches to Development." 172 HUB International.

- 20 March, noon  
Greg Brandenburg, Christian Farmer's Federation of Alberta, "The Impact of International Debt on Women's Access to Financial Resources." 172 HUB International.

- 21 March, 11 am  
Bonnie Halvorson, "The Effects of Light on Selected Properties of Parylene Coated Silk Fabric." 131 Home Economics Building.

- 22 March, 11 am  
John F Addicott, "Analysis of Cheating in Pollination/Seed Predation Mutualism: Yuccas and Figs." TBW-1 Tory Breezeway.

- 23 March, 11 am  
Matthew Fischer, consul and senior investment advisor, Canadian Consulate General, Los Angeles, "Investment Opportunities in California—Telecommunications, Biotechnology, Medical Instruments, Aerospace." \$10—includes light breakfast. Registration: 492-2225. Business Building.

- 24 March, 11 am  
John F Addicott, "Analysis of Cheating in Pollination/Seed Predation Mutualism: Yuccas and Figs." TBW-1 Tory Breezeway.

- 25 March, 11 am  
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- 26 March, 11 am  
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## EXHIBITIONS

## FAB GALLERY

*Until 10 March*

"Visual Fundamentals"—a display of work by students enrolled in Art and Design, first year Art 131 introductory studio course. Gallery hours: Tuesday, Wednesday, and Friday, 10 am to 5 pm; Thursday, 10 am to 8 pm; Sunday, 11 am to 5 pm; Saturday and Monday, closed. 1-1 Fine Arts Building.

## MCMULLEN GALLERY

*Until 29 March*

"Facets of Italy." Gallery hours: Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm. Information: 492-8428, 492-4211. Walter C Mackenzie Health Sciences Centre.

## MUSIC

*8 March, 8 pm*

Faculty Recital—Alan Ord, bass, with Grant Hurst, pianist. Convocation Hall.

*9 March, 7:30 pm*

World Music Concert—GS Sachdev, flute, and Swapna Chaudhri, tabla. Cosponsor: Edmonton RagaMala Music Society. Tickets: \$6/nonmembers, \$5/members, students and seniors. Convocation Hall.

*20 March, noon*

Visiting Artist Recital and Piano Masterclass—Vladimir Levov, pianist. Convocation Hall.

## EDMONTON CHAMBER MUSIC SOCIETY

*13 March, 8 pm*

Musicians of Swanee Alley. Tickets and information: 433-4532 or 492-5124. Convocation Hall.

## FILMS

## GERMANIC LANGUAGES

*19 March, 7:15 pm*

"Quick" (1932)—black and white in German with English subtitles. 141 Arts Building.

## Soviet historians visiting campus

A Sakharov of the Institute of the USSR Academy of Sciences, and M Dmitriev of Moscow State University will be visiting the University of Alberta until 21 March. (They arrived 5 March, and are the guests of the Departments of Slavic and East European Studies and History.)

The visit of Professors Sakharov and Dmitriev has been made possible through endowment funds available from the estate of the late Canadian historian of Russian history, Stuart Ramsay Tompkins.

The \$300,000 fund was bequested to the Departments of Slavic and East European Studies and History with the provision that the funds be used to bring one or two historians from the Soviet Union whose major field of study is history of Russia and the Soviet Union.

Details regarding topics and schedules are available from the departments and are also listed in *Folio*.

## POSITIONS

*The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.*

## ACADEMIC

## APO, DEPARTMENT OF MUSIC

The University of Alberta Department of Music seeks applications for the position of Administrative Professional Officer. This position reports directly to the Chair of the Department.

This position is responsible for administration of the Department of Music and provides leadership in three essential areas: University administration (capital and operating budget development and management, space and equipment management, selection and supervision of staff, etc); Public Relations (the department employs a Public Relations/Publications Assistant II), and Fundraising/Endowment Management.

Applicants should have an undergraduate degree and/or equivalent experience in related fields (ie, music, public relations, fundraising), strong communications and interpersonal skills, and experience with university administration. Knowledge of computers and software programs including but not limited to MS Word and Lotus 1-2-3 is desirable. A position description is available for viewing in the Department of Music General Office. Letters of application along with a résumé and the names of three referees will be accepted until 4:30 pm Tuesday, 2 April 1991. The search is limited to candidates who are internal to the University of Alberta, ie, those who are currently on staff.

The salary range for this position (432 Hay Points) is \$31,942 to \$47,926. The position is presently under review.

## SUPPORT STAFF

*To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot*

*be guaranteed beyond 1 March 1991. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.*

*Positions available as of 1 March 1991.*

*The limited number of vacancies is a result of the current Support Staff hiring freeze.*

*The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program.*

SECRETARY (Grade 5), Educational Psychology, (\$1,784 - \$2,210)

ADMINISTRATIVE CLERK (ACCOUNTS) (Grade 5), Zoology, (\$1,784 - \$2,210)

ADMINISTRATIVE CLERK (ACCOUNTS) (Grade 6), Faculty of Extension, (\$1,952 - \$2,433)

PROGRAMMER ANALYST (Grade 8), Graduate Studies and Research, (\$2,296 - \$2,895)

*The following positions retain salary rates in accordance with the previous classification system and pay plan.*

CLERK (Part-time/Term), Housing and Food Services, (\$8.29/hr)

LABORATORY ASSISTANT II (Term to 31 August 1991), Provincial Laboratory, (\$1,350 - \$1,677)

ANIMAL ASSISTANT II (Part-time/Term), Health Sciences Laboratory Animal Services (\$753 - \$945 prorated)

MEDICAL STENO (Trust), Medicine, (\$1,677 - \$2,143)

ACCOUNTS CLERK (Term to 30 June 1991), Health Sciences Laboratory Animal Services, (\$1,677 - \$2,143)

TECHNICIAN I (Trust), Microbiology, (\$1,738 - \$2,234)

TECHNICIAN I (Trust), Psychiatry, (\$1,738 - \$2,234)

TECHNOLOGIST I (Trust), Rehabilitation Medicine, (\$2,143 - \$2,765)

TECHNOLOGIST I/II (Trust), Genetics, (\$2,143 - \$3,018)

BIOCHEMISTRY TECHNOLOGIST I/II (Trust), Biochemistry, (\$2,143 - \$3,018)

ANIMAL TECHNICIAN III (Trust), Surgery, (\$2,234 - \$2,889)

## Eleven to receive University's highest honour

A total of 11 individuals will be awarded honorary degrees at Spring Convocation in early June.

As announced by Chancellor Sandy MacTaggart at last week's Senate meeting, they are: Frances Allen (DSc), Eliot Corday (DSc), Walter Harris (DSc), Peggy Holmes (DLitt), Alexander Iakovlev (LLD), Reginald Loomis (LLD), Madam Justice Beverley McLachlin (LLD), Associate Chief Justice Tevie Miller (LLD), Bruce Peel (LLD), Richard Taylor (DSc) and Walter Worth (LLD).

Ms Allen is senior manager of parallel software with IBM Research. She is also a pioneer in the field of compiler technology—software that translates the programming languages we understand to machine languages that computers can execute.

Dr Corday is the senior attending physician at Cedars-Sinai Medical Center in Los Angeles. A graduate of the University of Alberta (1940), he spearheaded the historic WORLDNET satellite broadcast between prominent American and Soviet cardiologists and has participated in similar exchanges in the Middle East, Hungary, India and Argentina.

Dr Harris is Professor Emeritus of Chemistry at this University. His expertise lies in nuclear technology and in chemistry's place in the quality of life. Dr Harris headed the provincial government's Hazardous Chemicals Advisory Committee which ultimately led to the creation of the Swan Hills Hazardous Waste plant.

Mrs Holmes, aka the "world's oldest living broadcaster", has recorded more than 3,000 of her own scripts for CBC radio (Alberta). Her career spans more than 60 years and includes work as an artist, a singing and speech teacher/consultant, and an actress. Born in England, she came to Canada in 1919 as a war bride and homesteaded in northern Alberta before moving to Edmonton in 1921.

Professor Iakovlev directs the Department of Theory and Sociology of Criminal Law, Institute of State and Law, Academy of Sciences of the USSR. He is a leading contributor to the reshaping of the Soviet constitution. As a visiting professor to the University of Alberta, Professor Iakovlev participated in the establishment of a comparative constitutional law study. A new venture has him studying and interpreting the constitutions of Western democracies with a view to promoting understanding of our governments in the Soviet Union.

Mr Loomis is a conservationist who spent 20 years with the Alberta Department of Lands and Forests and who was instrumental in making the province a national leader in forest management and reforestation.

The development and implementation of the quota system of timber disposal in the mid-1960s is perhaps his most notable achievement.

Madam Justice McLachlin was appointed to the Supreme Court of Canada in 1989. During her time as a student at the University of Alberta, she earned the Horace Harvey Gold Medal in Law, presented to the student who maintained the highest average over the three years of law studies. Madame Justice McLachlin has practised law in Edmonton and British Columbia. She is a former Chief Justice of the Supreme Court of British Columbia.

Associate Chief Justice Miller was Chancellor of the University of Alberta from 1 July 1986 to 30 June 1990. He was appointed Associate Chief Justice, Court of Queen's Bench of Alberta, in 1984, having been named a Judge of the District Court of Alberta in 1974. An alumnus of this University, Associate Chief Justice Miller has served on its Board of Governors and Senate and has been president of the Alumni Association and chair of the Professional Division of the Three Alberta Universities Fund Raising Campaigns.

Mr Peel was Librarian to the University of Alberta from 1955 to 1982. During his tenure, the Library became the second largest academic library in Canada. He helped plan and develop six library facilities on campus, two of these being Cameron Library and Rutherford North, as well as library collections at the University of Calgary. Mr Peel's *Bibliography of the Prairie Provinces to 1953* is considered a classic in the field of bibliography, and his *Steamboats on the Saskatchewan* and other historical works have brought the history of the prairies alive to the public.

Dr Taylor, co-recipient of the 1990 Nobel Physics Prize, was accorded that honour for his breakthrough work in discoveries pertaining to the structure of matter. With his colleagues, Dr Taylor was among the first to observe traces of quarks, sub-atomic particles which form the basis of 99 percent of all matter on earth. This pioneering work was carried out during the late 1960s and early 1970s at Massachusetts Institute of Technology and Stanford University in California.

Dr Worth is Professor Emeritus of Educational Administration at the University of Alberta. He currently chairs the Private Colleges Accreditation Board. From 1976 to 1983, Dr Worth was Dean of the Faculty of Education. A lasting imprint on education in the province was provided by *A Choice of Futures* or, as it is more commonly known, the "Worth Report". (Dr Worth was chair of the Alberta Royal Commission on Educational Planning which produced the seminal document.)

## Instructional Fair '91

The Faculty of Education and the Office of the Committee for the Improvement of Teaching and Learning are sponsoring the second Instructional Fair to demonstrate some of the ways in which communications and information technologies are being used in teaching and learning in University courses. The sponsors extend a cordial invitation to all University instructors and teaching assistants to attend.

The Fair will be held 12 and 13 March from 1 to 4 pm in 2-111 Education North. Fairgoers will see instructional solutions developed for distance learning and on-campus courses. Innovative ways of using technology in lectures, small group work, simulations, and individual study will also be featured. The hardware used will include computers, videotape and videodisc, with a variety of software.

Instructors will be able to select those techniques they find most interesting and to talk with the people who conceived and developed them. The same selection of projects will be offered each afternoon so interested faculty members and instructors can pick the afternoon that is most convenient for them.

**ACCOMMODATIONS AVAILABLE**

**VICTORIA PROPERTIES** - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200. Lois Dutton, Re/Max Ports West, Victoria, BC.

**GREAT BRITAIN? LONDON APARTMENT?** Country cottage? Castle/manor apartment? Villa in France, Italy? Hearthstone Holidays, PO Box 8625, Station L, Edmonton, T6C 4J4. Phone (403) 465-2874, Fax (403) 468-5517.

**SALE** - 10930 87 Avenue, revenue property, \$14,400/year income. Six bedrooms, two fridges, two kitchens, two bathrooms, two hot water heaters (33 gallons each in parallel). Asking \$133,900. To view, 433-8302.

**SALE** - Claridge House, opposite University, with magnificent city view. Two bedrooms, air conditioned, pool, underground parking. \$159,000. 1-342-0050.

**SALE/RENT** - Malmo bungalow, mint condition, five bedrooms, developed basement, double garage. Five minutes to University, near schools, shopping. 436-3523 (evenings), 492-2423 (work).

**SABBATICAL RENT/EX-CHANGE** - Central, four bedroom, historic house, overlooking river valley. \$1,200/month. Wanted in Ottawa - two/three bedroom house. Six plus months, September 1991. Nan (403) 429-2226 (evenings), 495-4880 (days).

**SALE** - Near University, 10944 89 Avenue. Modern upgrading, basement suite, treed, seven rooms, three baths. Speaks for itself, priced at \$179,900. 439-7382.

**SALE** - Lansdowne, quiet street, south backyard, three bedrooms up, one on the main, fireplace, open kitchen - family room plan, attached double garage. \$189,000. Liz Crockford, Spencer Real Estate. 435-0808, 434-0555.

**SALE** - Grandview, new listing, custom designed, 2,600 square foot, two storey. Four bedrooms up, large entertaining rooms opening to back yard, attached double garage. Liz Crockford, Spencer Realty, 435-0808, 434-0555.

**SALE** - Aspen Gardens, \$167,700. Mint condition, four bedroom home. Close to ravine. Fireplace, vinyl siding, upgraded carpet, soft neutral decor. Owner transferred, must sell. Canada Trust Realtor, Joy Murray, 468-2100.

**RENT** - Furnished house in Petrolia. Four bedrooms, 3 1/2 baths, available June 1991 - May 1992, \$1,000 plus utilities. References required. Phone 437-7924 (leave message).

**TO RENT** - Beautiful, two storey home, Saltspring Island. Spectacular view south over sea. Two bedrooms, two bathrooms, studio with stone fireplace. Suitable for two adults. \$1,500/month. Phone (604) 537-9890.

**RENT** - Belgravia, sabbatical home. Four bedrooms, July-12 months. \$1,000/month, 438-1626, 451-1719.

**SALE** - Bearspaw, luxury condo, 2,100', immaculate, amenities. Fronts on park and ravine. \$174,900. 436-4234.

**SALE** - Riverbend, nine year bungalow, 1,920 square feet. \$189,900. 430-6050. No agents.

**SALE** - Executive, two bedroom condominium, Hampton Village. Fireplace, two heated underground parking stalls. For inquiries, call 439-6433 after 5 pm.

**GOODS FOR SALE**

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**MISCELLANEOUS**

**PhD STUDENT** seeks employment from 15 July - 30 August. I am a graduate of King's College, London, England, in Biochemistry. Laura

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